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   Altri autori (Persone) DodziukHelena

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   Nota di contenuto   Strained Hydrocarbons; Foreword; Preface; Contents; List of
                         Contributors; 1 Introduction; 1.1 Initial Remarks; 1.2 Hydrocarbons
                         with Unusual Spatial Structure: the Need to Finance Basic Research; 1.3
                         Computations on Strained Hydrocarbons; 1.4 Gallery of Molecules That
                         Could Have Been Included in This Book; 1.4.1 Introductory Remarks;
                         1.4.2 Saturated Hydrocarbons; 1.4.3 Distorted Double Bonds; 1.4.4
                         Benzene Rings with Nontypical Spatial Structures; 1.4.5 Cumulenes;
                         1.4.6 Acetylenes; References; 2 Distorted Saturated Hydrocarbons; 2.1
                         Molecules with Inverted Carbon Atoms; 2.1.1 Introduction
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                         Studies2.1.3 Small-ring Propellanes: Experimental Results; 2.1.3.1
                         Preparation and Reactivity of [1.1.1]Propellane; 2.1.3.2 Preparation and
                         Reactivity of [2.1.1]Propellane and [2.2.1]Propellane; 2.1.3.3 [1.1.1]
                         Propellane as the Precursor for the Synthesis of Other Unusual
                         Molecules; 2.1.4 New Hypothetical Molecules with Inverted Carbon
                         Atoms; 2.2 Molecules with Planar and Pyramidal Carbon Atoms; 2.3 A
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| Sommario/riassunto | In clearly structured chapters, this book covers the fascinating world of hydrocarbons, providing an insight into the fundamental principles of chemistry. The monograph covers modern aspects of the topic, such as carbon nanotubes, molecular flask inclusion, and fullerenes, with new synthetic procedures for the build up of the structural lattice included. |